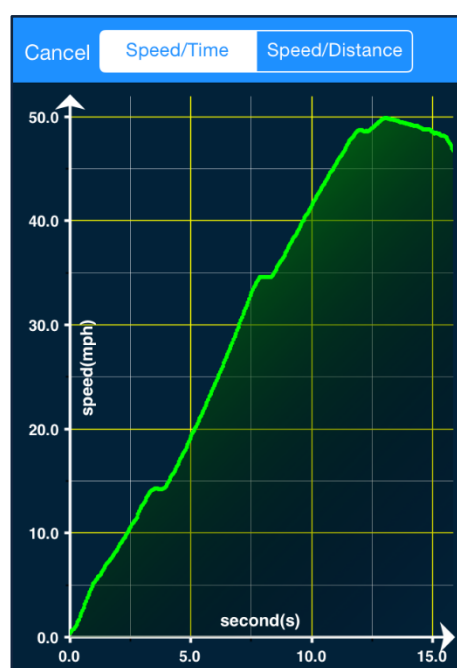
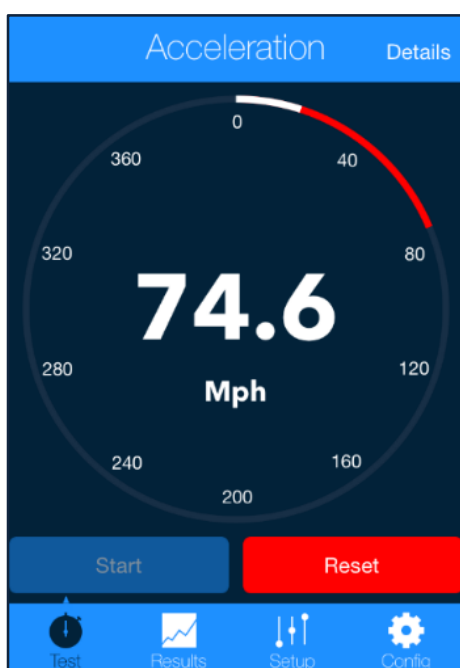




VBOX Performance Test iOS App User Guide



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Introduction

The Racelogic Performance Test application works when connected to a VBOX Sport device to give live test results. The app uses the 20Hz GPS data stream transmitted via Bluetooth.

Pairing with an iPhone

VBOX Sport contains an Apple certified Bluetooth chip, which makes pairing a very simple process. Make sure Bluetooth is enabled in the iPhone **Settings** menu and that the VBOX Sport is switched on.

When the VBOX Sport is first connected '**Not Paired**' will appear next to the serial number of the unit. To connect, simply tap this box.

This only needs to be done once, in the future, whenever the device is in range and the Bluetooth is on, connection will be made automatically.

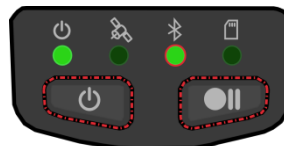


Pairing with a second device

VBOX Sport can only be connected to one iOS device at a time. To connect to a new device, first the pairing needs to be removed on the previous iOS device by selecting the VBSport in the **Devices** list and then select '**Forget Device**'. This only has to be done if the previous iOS device's Bluetooth connection is active.

After this, the device's ID stored in the automatic pairing function of the VBOX Sport must be cleared. This is done by pressing and holding both buttons for **2s** on the VBOX Sport at which point the Bluetooth LED flashes rapidly.

Once both stages are completed then the initial pairing procedure can be repeated with the new device. Please note that to connect to the original device again, the pairing procedure will need to be repeated.



Download VBOX Performance Test app

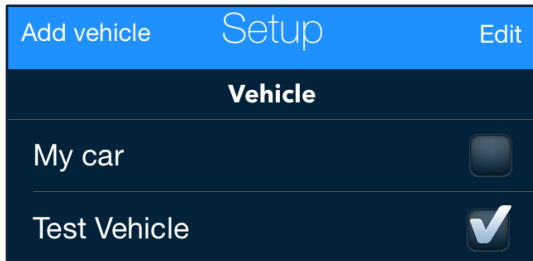
The VBOX PT app is available for free download from the iTunes™ store. To find the app, search for '**VBOX Sport**', '**Racelogic**' or '**VBOX PT**'.



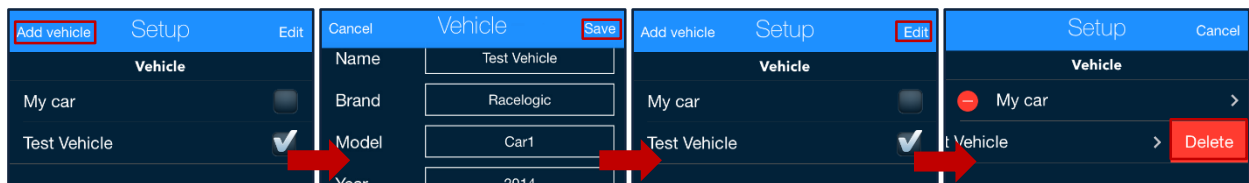
Setup

Within this section, different vehicle details can be added, the desired test mode can be selected and individual tests customised.

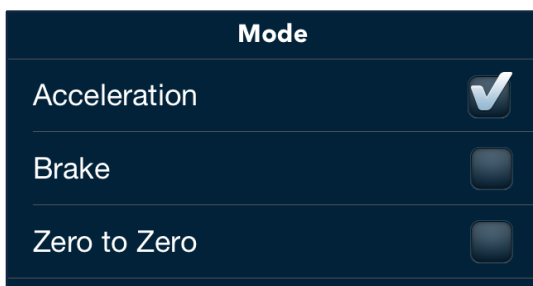
Adding a vehicle



Select an added test vehicle. To add details of a new vehicle, use the 'add vehicle' button in the top left hand corner of the app. This will allow you to enter vehicle details such as make, model and year. Selecting the 'edit' option from the top right hand corner allows vehicles to be cleared from the list.

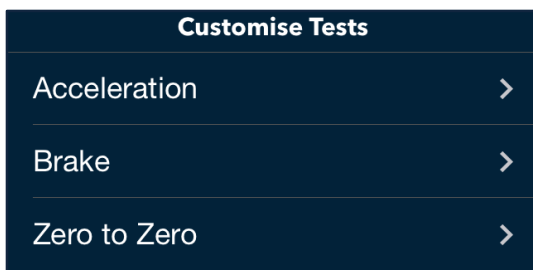


Select test mode

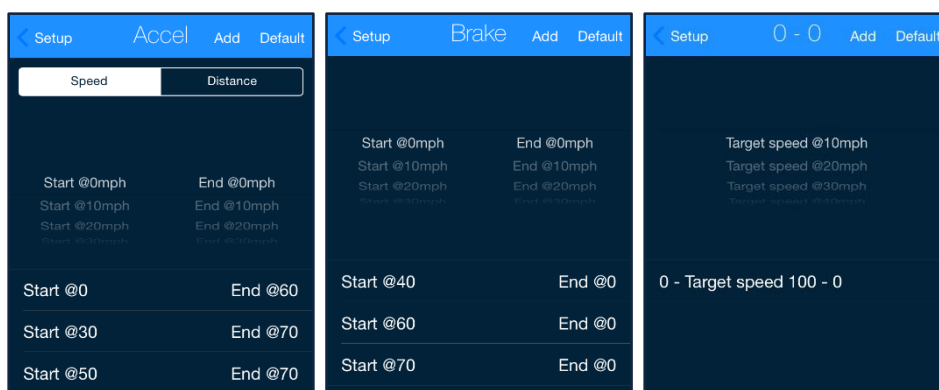


Select between Acceleration, Brake and Zero to Zero tests. Ticking the desired test will change the test display. Note that only one test mode can be run at any time.

User defined tests



This section is used to set define test ranges. Only one range can be set for Zero to Zero tests, but there is no limit on the number of Acceleration or Brake tests. **Note that distance acceleration tests will calculate Mile, 1/2, 1/4 and 1/8th Mile results automatically.**



Configuration

This screen is always accessible through via the lower menu panel.
 The application version number is listed at the top of this screen.

The Config screen (2.2.4) includes the following settings and annotations:

- Speed Units:** Mph > (Annotation: Choose to display speed values in km/h or mph.)
- Distance Unit:** Metres > (Annotation: Choose to display distance values in meters or feet.)
- Speed Display Filter:** None >
- One Foot Rollout:** Off > (Annotation: One foot rollout does not take into account the first foot travelled in any distance tests.)
- Demo Mode:** Off > (Annotation: Activate demo mode to show test run examples.)
- Beep Speed:** Off > (Annotation: PT app can be set to beep at a set speed value.)
- Button Sounds:** Off >
- Auto Reset:** On > (Annotation: Auto-Reset removes the need to manually re-start tests between runs.)

Additional annotations on the right side of the screen:

- Go to VBOXMotorsport.co.uk (points to the Visit link)

The bottom menu bar contains icons for Test, Results, Setup, and Config.

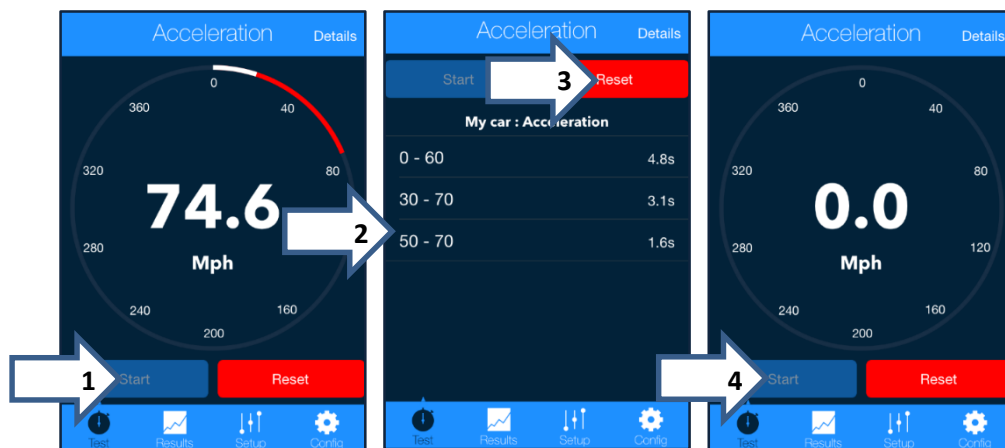
Test modes

This screen shows a live speed readout and allows the user to activate a test session and capture results.

Acceleration test

By default, the user must hit 'start' to begin a test. When the test is finished, the results will automatically be brought into view. After viewing, the user must hit 'reset' and then 'start' before starting the next test.

Acceleration tests end when the VBOX Sport detects deceleration.

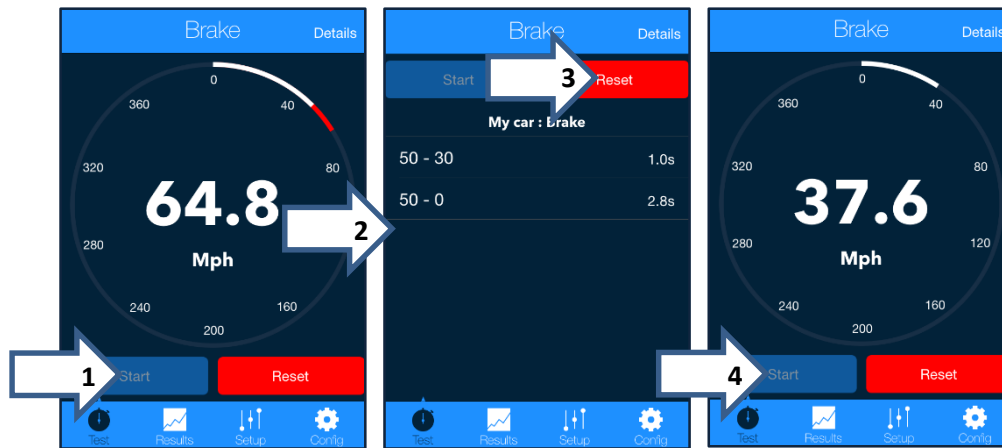


1. Press 'Start' to start test
2. Results show when test ends
3. Press 'Reset' to clear results
4. Press 'Start' for new test

Note: With 'auto reset' turned on within the configuration section, tests will automatically restart after the first start condition of the defined test(s) is met.

Brake test

By default, the user must hit 'start' to begin a test. When the test is finished, the results will automatically be brought into view. After viewing, the user must hit 'reset' and then 'start' before starting the next test. Brake tests end when the VBOX Sport detects a speed value of zero.

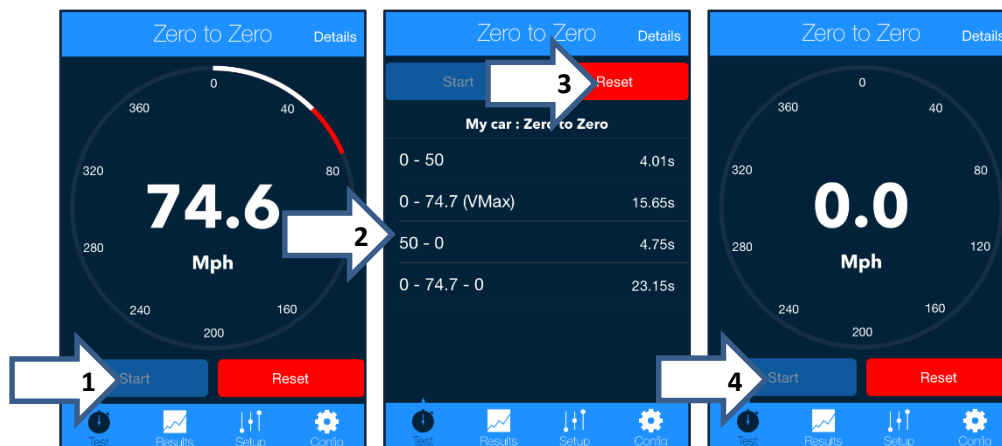


1. Press 'Start' to start test
2. Results show when test ends
3. Press 'Reset' to clear results
4. Press 'Start' for new test

Note: With 'auto reset' turned on within the configuration section, tests will automatically restart after the first start condition of the defined test(s) is met.

Zero to zero test

By default, the user must hit 'start' to begin a test. When the test is finished, the results will automatically be brought into view. After viewing, the user must hit 'reset' and then 'start' before starting the next test. Zero to zero tests end when the VBOX Sport detects a speed value of zero.



1. Press 'Start' to start test
2. Results show when test ends
3. Press 'Reset' to clear results
4. Press 'Start' for new test

Note: With 'auto reset' turned on within the configuration section, tests will automatically restart after the first start condition of the defined tests is met.

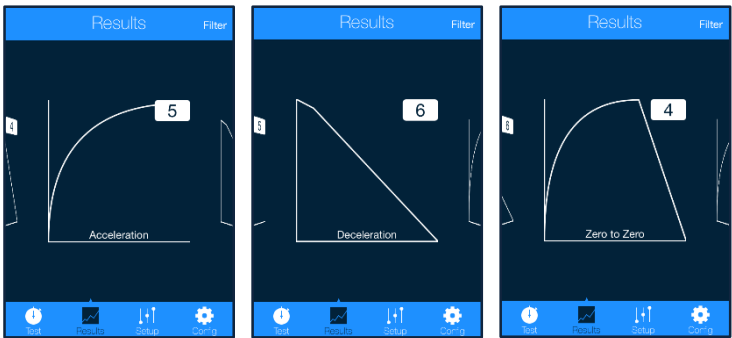
Test details

Within the live test mode, there is a 'details' button for quick access to the last test results.



Results

The results for all completed tests are stored within the PT application. To view any previous results, select the desired test through the main results menu option.

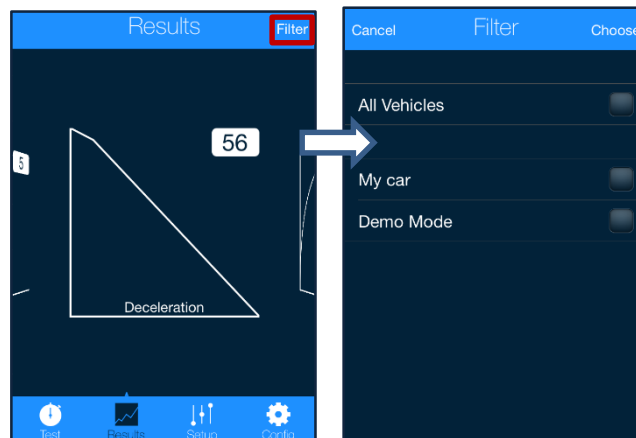


Within each section, result graphs and details of individual test runs can be viewed.

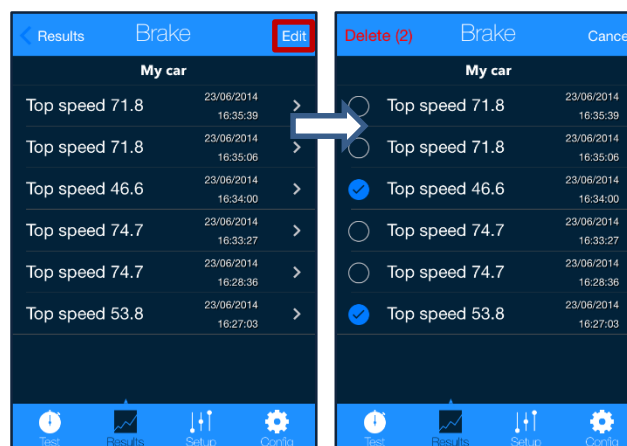


Filtering & deleting results

If lots of test results are stored, the user may wish to filter what is displayed. Press the filter option in the top left hand corner to select tests from any particular vehicle.

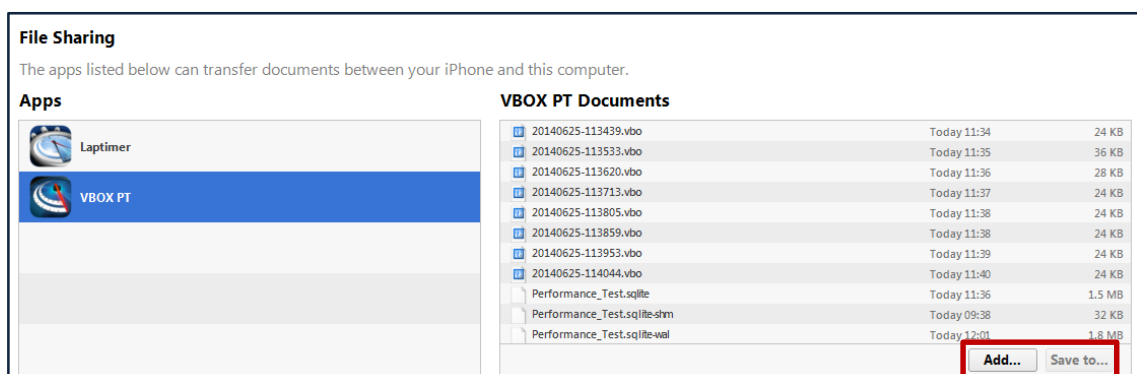


To delete test runs, select the edit option within the results list for any test mode. Test runs can then be selected and cleared.



Files saved to Application Documents

The Performance Test application saves a .VBO data file from each completed performance test to iOS application documents. These can be removed from iOS devices via the Apps tab within iTunes.



For further support, please do not hesitate to contact support@racelogic.co.uk for assistance.